

### ENGINEERING DATA

#### THERMALLY CONDUCTIVE, PATENTED ALUMINUM CORE

The cross-flow heat recovery core transfers heat between the two airstreams. The two cores are arranged for highly efficient counter current airflow.

#### MOTORS AND BLOWERS

Each air stream has one centrifugal blower driven by a common ECM motor. 5 speed fan operation. 120 VAC, 1.4 Amps.

#### FILTERS

Washable air filters in exhaust and supply air streams.

#### MOUNTING THE HRV

Four threaded inserts at corners of case designed to accept four reinforced polyester straps that are supplied with the unit.

#### DEFROST

Damper defrost system.

#### DEHUMIDISTAT

Adjustable Internal Dehumidistat.

#### CASE

Twenty gauge prepainted galvanized steel (G60) for superior corrosion resistance. Insulated to prevent exterior condensation. Drain connections 2 - 1/2" (12 mm) OD.

#### CONTROLS

ControlAir 15 - Standby/ON mode, 20 ON/ 40 OFF mode (each mode has 5 speeds). Control pad can be removed from HRV and remotely mounted.

**Weight** 106 lbs. (48 kg) **Shipping Weight** 108 lbs. (49 kg)

#### OPTIONAL MAIN CONTROLS

**99-350 Lifestyle Ventilation Control** 7/24 programmable ventilation, (3 wire) 20 gauge wire (min.) 100' length

**99-109 Air Sentry Air Quality Monitor** designed to accept remotely mounted Control Pad, (3 wire) 20 gauge wire (min.) 100' length

**99-250 Ventilation Dehumidistat** designed to accept remotely mounted Control Pad, (4 wire) 20 gauge wire (min.) 100' length

#### OPTIONAL TIMERS

**99-104 Digital Electronic Timer** - initiates high speed ventilation for 20, 40 or 60 minutes, (3 wire) 20 gauge wire (min.) 100' length

**99-101 Crank Timer** - Initiates high speed ventilation for up to 60 minutes, (2 wire) 20 gauge wire (min.) 100' length

#### OPTIONAL ACCESSORIES

**99-163 Duct Heater w/ Electronic SCR Thermostat**, 1 Kw, 6" (150 mm)

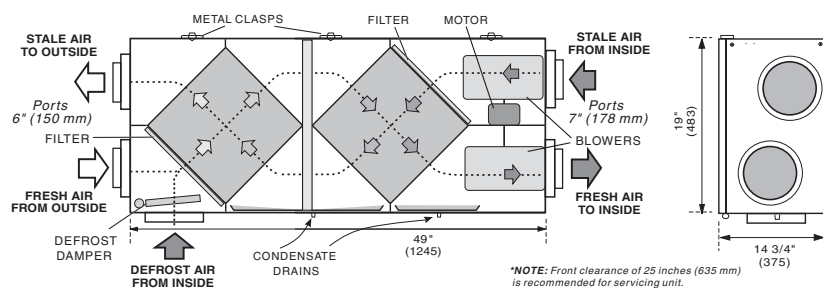
**99-164 Duct Heater w/ Electronic SCR Thermostat**, 2 Kw, 6" (150 mm)

**99-185 Weatherhoods**, Two - 6" (150 mm) c/w 1/4" (6 mm) mesh screen

#### WARRANTY

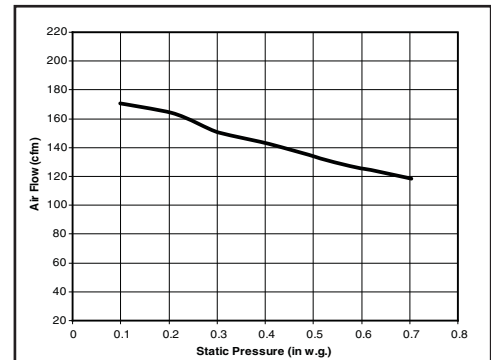
Units carry a LIFETIME warranty on the heat recovery core and a 5 year replacement parts warranty.

#### DIMENSIONS 195ECM inches (mm)



Performance		
Net supply air flow in cfm (L/s) against external static pressure		
E.S.P (external static pressure)		[cfm (L/s)]
@ 0.1" (25 Pa)		171 (81)
@ 0.2" (50 Pa)		164 (77)
@ 0.3" (75 Pa)		156 (74)
@ 0.4" (100 Pa)		143 (67)
@ 0.5" (125 Pa)		134 (63)
@ 0.6" (150 Pa)		126 (59)
@ 0.7" (175 Pa)		119 (56)
Max. Temperature Recovery		88%
Sensible Effectiveness		
@ 114 cfm (54 L/s)	32°F (0°C)	88%
*Sensible Efficiency		
@ 114 cfm (54 L/s)	32°F (0°C)	81%
*Sensible Efficiency		
@ 119 cfm (56 L/s)	-13°F (-25°C)	77%
VAC @ 60HZ		120
WATTS / Low speed		34
WATTS / High speed		95
Amp rating		1.4

\*Sensible Efficiency – thermal \*\*Latent Efficiency – moisture  
 Note: Effectiveness - based on temp. differential between the 2 airstreams  
 Efficiency – takes into account all power inputs



**R2000 HRAI** All units conform to CSA and UL standards.

### ⚠ ATTENTION

The ECM motor produces a tone that some may find objectionable. We recommend the installation of the optional 99-SILENCER6 on the 'Stale Air from Inside' and 'Fresh Air to Inside' ducts.

Date: \_\_\_\_\_

Tag: \_\_\_\_\_ Qty: \_\_\_\_\_

Project: \_\_\_\_\_

Engineer: \_\_\_\_\_

Contractor: \_\_\_\_\_

Supplier: \_\_\_\_\_

Quote#: \_\_\_\_\_

Submitted by: \_\_\_\_\_



511 McCormick Blvd,  
 London, Ontario N5W 4C8  
 T (519) 457-1904  
 F (519) 457-1676  
 Email: nutech@lifebreath.com

270 Regency Ridge, Suite 210  
 Dayton, Ohio 45459  
 T (937) 439-6676  
 F (937) 439-6685  
 Website: www.lifebreath.com

